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WATER SUPPLY OUTLOOK FOR OREGON

U.S. DEPT. OF AGRICULTURE
APR 29 '76

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

OREGON DEPARTMENT OF WATER RESOURCES

AS OF
APR. 1, 1976

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: SURVEYOR ENROUTE TO THE MT. BALDY ARIZONA SNOW COURSE
SCS PHOTO AZ-5460

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 111, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P.O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1220 S.W. Third Ave., Portland, Oregon 97204
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

USDA-SCS-PORTLAND, OREG 1979

WATER SUPPLY OUTLOOK FOR OREGON

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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In Cooperation with

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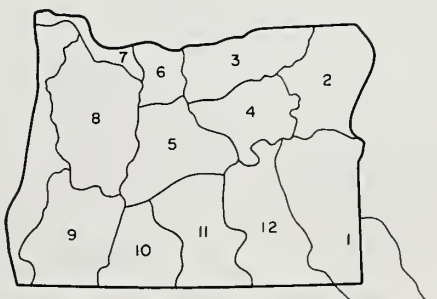
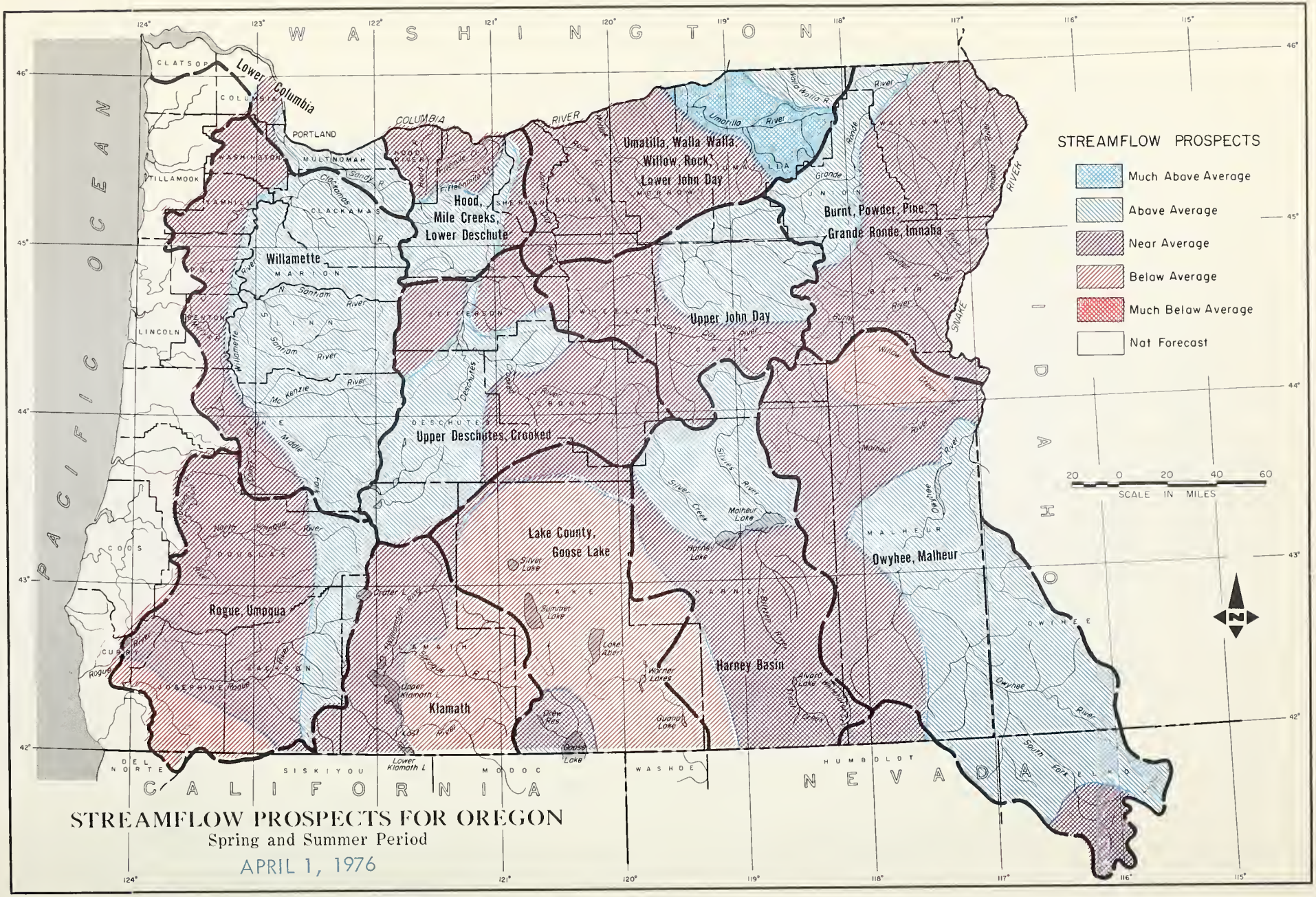


WATERSHED AREA LOCATIONS

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE



STREAMFLOW PROSPECTS FOR OREGON

Spring and Summer Period

APRIL 1, 1976

WATER SUPPLY OUTLOOK FOR OREGON

APRIL 1, 1976

The water supply outlook for Oregon remains generally good over the state. Again, as was reported March 1, the only areas with below average prospects are the Siskiyous and eastern Klamath and Lake Counties. Valley precipitation was generally below average for March, however, snow did fall in good amounts in the mountains and, in most areas, the snowpack increased substantially from one month ago. Reservoir storage for irrigation purposes is still above average.

SNOW COVER

The mountain snowpack is average to above average in most of the state. Water content at most snow courses increased during the month. Even at low elevations where melt usually occurs during March, increases were measured. The poorest snow cover exists in the Siskiyou Mountains where it is about 70 percent of normal. However, even this is an improvement over the 50 percent of average measured there last month. High-elevation snow course measurements, especially in the Cascades, were above average.

PRECIPITATION

Valley precipitation was near average in the northern one fourth of the state during March. The driest areas, those receiving the least amount of precipitation during March, were in southern and central Oregon, east of the Cascades. Here precipitation ranged from 40 to 80 percent of normal. Western Oregon recorded precipitation amounts for March 80 to 90 percent of normal. Precipitation for the entire winter period, November through March, ranged from a low of 65 percent on the Deschutes Basin in central Oregon to 105 percent in the Willamette Valley.

SOIL MOISTURE

Soils under the mountain snowpack are wetted to near normal amounts for this time of year and should not detract from the snow melt runoff.

continued on next page -

RESERVOIR STORAGE

Irrigation reservoir storage is 113 percent of average. Twenty-five major irrigation reservoirs contained 2,578,600 acre feet on April 1. Most will fill to capacity. Clear Lake and Gerber reservoir in Klamath County and Cottonwood and Drews reservoirs in Lake County will probably not fill. Water supplies from these reservoirs will still be adequate.

STREAMFLOW

Forecasted streamflow volumes as a percent of average on some representative Oregon streams are as follows:

STREAM	PERIOD	FORECAST % OF AVERAGE
Owyhee Reservoir net Inflow	April-September	118
Grande Ronde at LaGrande	April-September	138
Deschutes at Benham Falls	April-September	107
Willamette at Salem	April-September	110
Rogue at Raygold	April-September	106
Klamath Lake net Inflow	April-September	98
Chewaucan near Paisley	April-September	73

This report contains data furnished by the Oregon Department of Water Resources, U. S. Geological Survey, NOAA National Weather Service and other cooperators.

WATER SUPPLY OUTLOOK

OWYHEE, MALHEUR WATERSHEDS

OREGON

GENERAL OUTLOOK

WATER SUPPLIES ARE FORECAST TO BE ADEQUATE FOR WATER USERS IN MALHEUR COUNTY. SNOW COVER IS ABOVE AVERAGE ON THE OWYHEE AND MALHEUR. THE SNOW IS ABOUT GONE FROM THE BULLY AND WILLOW CREEK DRAINAGES, BUT RESERVOIR STORAGE IS GOOD ON THESE WATERSHEDS. SOIL MOISTURE AT THE UPPER ELEVATIONS IS NEAR NORMAL. PRECIPITATION AT THE VALLEY STATIONS WAS 60 PERCENT OF NORMAL FOR MARCH. IRRIGATION STORAGE IN BEULAH, WARMSPRINGS, AND OWYHEE RESERVOIRS IS CLOSE TO NORMAL OR ABOVE.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average c
Bully Creek at Warmsprings	10.0	72	Mar.-May		13.9
Malheur near Drewsey	74	103	Apr.-July		71
	75	104	Apr.-Sept.		72
Malheur,North Fork at Beulah	59	100	Apr.-July		59
	62	97	Apr.-Sept.		64
Owyhee Reservoir net Inflow	370	120	Apr.-July	882	309
	390	118	Apr.-Sept.	917	332

FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
Owyhee near Rome	1000	May 30	May 24
	250	July 27	June 20

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage This Year	Usable Storage Last Year	Usable Storage Average
Antelope	70.0	--	27.5	28.9
Beulah Reservoir	60.0	38.1	42.7	42.9
Bully Creek	30.0	22.5	27.1	22.3
Owyhee	715.0	667.0	648.7	509.2
Warmsprings	191.0	148.6	152.9	119.1

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF: Last Year	THIS YEAR'S MOISTURE as PERCENT OF: Average c
Malheur River	1	115	100
Owyhee River	4	125	100

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF Last Year	THIS YEAR'S SNOW WATER AS PERCENT OF Average c
Bully Creek	3	10	25
Jordan Creek	2	75	125
Malheur River	5	65	120
Owyhee River	5	60	120

(a) Estimated. (b) 1958-72 adjusted average. (c) 1958-72, 15 year average. (d) Corrected to natural flow. (e) Not scheduled.

WATER SUPPLY OUTLOOK

BURNT, POWDER, PINE, GRANDE RONDE, IMNAHA WATERSHEDS

OREGON

GENERAL OUTLOOK

WATER SUPPLIES ARE FORECAST TO BE ADEQUATE IN NORTHEASTERN OREGON. THE SNOWPACK IS CLOSE TO AVERAGE IN THE WALLOWAS AND ELKHORNS AND MUCH ABOVE AVERAGE ON THE GRANDE RONDE ABOVE LA GRANDE. PRECIPITATION THIS PAST MONTH WAS NEAR NORMAL. ALL MAJOR IRRIGATION RESERVOIRS SHOULD FILL AS FORECASTED STREAMFLOW IS AVERAGE TO ABOVE.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average [c]
Bear near Wallowa	66	100	Apr.-Sept.		66
Burnt near Hereford	34	106	Apr.-July		32
	36	109	Apr.-Sept.		33
Catherine near Union	66	102	Apr.-Sept.		65
Eagle Creek abv. Skull Creek	179	102	Apr.-July		175
	195	103	Apr.-Sept.		190
Grande Ronde at La Grande	208	135	Apr.-July	238	154
	218	138	Apr.-Sept.	244	158
Hurricane near Joseph	48	102	Apr.-Sept.		47
Imnaha at Imnaha	309	101	Apr.-Sept.		307
Lostine near Lostine	126	101	Apr.-Sept.		125
Powder near Sumpter	55	100	Apr.-July		55
	56	100	Apr.-Sept.		56
Wallowa, East Fork near Joseph	9.3	102	Apr.-July		9.2
	11.5	101	Apr.-Sept.		11.4
Wallowa near Joseph	76	100	Apr.-July		76
Wolf Creek Dam Inflow	13.5	122	Apr.-June		11.1

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage This Year	Usable Storage Last Year	Usable Storage Average [c]
Phillips Lake	73.5	52.5	--	--
Thief Valley	17.4	17.4	17.4	17.4
Unity	25.2	17.0	12.3	19.5
Wallowa Lake	37.5	26.8	27.0	23.4

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF Last Year	THIS YEAR'S SNOW WATER AS PERCENT OF Average [c]
Burnt River	4	80	115
Grande Ronde River above LaGrande	4	115	165
Powder River	5	80	100
Wallowa, Imnaha, Catherine Creek	6	85	105

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF: Last Year	THIS YEAR'S MOISTURE as PERCENT OF: Average [c]
Burnt, Powder	2	90	90
Grande Ronde, Catherine Creek, Imnaha River	3	115	115

(a) Estimated. (b) 1958-72 adjusted average. (c) 1958-72, 15 year average. (d) Corrected to natural flow. (e) Not scheduled.

WATER SUPPLY OUTLOOK

UMATILLA, WALLA WALLA, WILLOW, ROCK, LOWER JOHN DAY WATERSHEDS

OREGON

GENERAL OUTLOOK

WATER SUPPLY PROSPECTS ARE EXCELLENT. THE SNOWPACK IN THE BLUE MOUNTAINS IS NOW 160 TO 180 PERCENT OF AVERAGE. PRECIPITATION THIS PAST MONTH WAS NEAR NORMAL. RESERVOIR STORAGE IS VERY GOOD. COLD SPRINGS IS FULL AND MC KAY RESERVOIR SHOULD ALSO FILL SOMETIME DURING THE NEXT MONTH OR SO, DEPENDING ON THE REGULATION. STREAMFLOW IS FORECAST AT 120 TO 140 PERCENT OF AVERAGE EXCEPT ON BUTTER CREEK WHICH WILL BE NEAR AVERAGE.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average [c]
Birch Creek at Rieth	19.1	120	Apr.-July		15.9
Butter Creek near Pine City	7.4	97	Apr.-July		7.6
McKay near Pilot Rock	34	139	Apr.-Sept.		24
Umatilla near Gibbon	94	136	Apr.-July		69
	99	132	Apr.-Sept.		75
Umatilla at Pendleton	192	138	Apr.-July		139
	198	137	Apr.-Sept.		144
Walla Walla, South Fork near Milton	64	117	Apr.-July		53
	78	116	Apr.-Sept.		66

FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
Umatilla at Pendleton	550	June 10	May 22

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage This Year	Usable Storage Last Year	Usable Storage Average [c]
Cold Springs	50.0	50.0	49.5	49.4
McKay	73.8	62.0	62.7	49.2

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF: Last Year	THIS YEAR'S MOISTURE as PERCENT OF: Average [c]
Umatilla, Walla Walla, McKay Creek	3	125	110

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF Last Year	THIS YEAR'S SNOW WATER AS PERCENT OF Average [c]
McKay Creek	3	125	175
Umatilla River	3	130	180
Walla Walla River	2	135	160

(a) Estimated. (b) 1958-72 adjusted average. (c) 1958-72, 15 year average. (d) Corrected to natural flow. (e) Not scheduled.

WATER SUPPLY OUTLOOK
UPPER JOHN DAY WATERSHEDS
OREGON

'GENERAL OUTLOOK

WATER SUPPLIES ARE FORECAST TO BE GOOD FOR MOST USERS. THE MOUNTAIN SNOWPACK IS ABOVE AVERAGE. SOIL MOISTURE IS NEAR NORMAL. PRECIPITATION THIS PAST MONTH WAS BELOW AVERAGE. HOWEVER, THIS ONE FACTOR WILL NOT EFFECT VERY MUCH THE EXPECTED STREAMFLOW THIS SPRING AND SUMMER WHICH SHOULD BE AVERAGE TO ABOVE.

STREAMFLOW FORECASTS

BASIN, STREAM and or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average [c]
Camas Creek near Ukiah	45	136	Apr.-July		33
	45	136	Apr.-Sept.		33
John Day, Middle Fork at Ritter	110	105	Apr.-July		105
	113	108	Apr.-Sept.		108
John Day, North Fork at Monument	607	116	Apr.-July		525
	627	116	Apr.-Sept.		540
Strawberry near Prairie City	7.2	104	Apr.-July		6.9
	7.5	100	Apr.-Sept.		7.6

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF: Last Year	THIS YEAR'S MOISTURE as PERCENT OF: Average [c]
John Day above Dayville	4	105	95
John Day, North Fork	2	90	90

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF Last Year	THIS YEAR'S SNOW WATER AS PERCENT OF Average [c]
John Day, North Fork	7	85	115
John Day abv. Dayville	5	75	115

(a) Estimated. (b) 1958-72 adjusted average. (c) 1958-72, 15 year average. (d) Corrected to natural flow. (e) Not scheduled.

WATER SUPPLY OUTLOOK

UPPER DESCHUTES, CROOKED WATERSHEDS

OREGON

GENERAL OUTLOOK

WATER SUPPLIES ARE FORECAST TO BE VERY GOOD IN THE DESCHUTES BASIN. THE SNOWPACK IS ABOVE AVERAGE. RESERVOIR STORAGE IS EXCELLENT AND EXPECTED STREAMFLOW THIS SPRING AND SUMMER SHOULD BE ABOVE AVERAGE. SOIL MOISTURE ON THE UPPER CROOKED RIVER WATERSHED IS NEAR NORMAL. PRECIPITATION THIS PAST MONTH WAS ONLY 40 PERCENT OF NORMAL.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average [c]
Beaver Creek near Paulina	17.9	113	Apr.-July		15.8
	18.0	113	Apr.-Sept.		16.0
Crane Prairie Reservoir total Inflow	105	135	Apr.-July		78
	144	121	Apr.-Sept.		119
Crescent at Crescent Lake	25	133	Apr.-July	26	18.4
	29	132	Apr.-Sept.	33	22
Crooked near Post	99	109	Apr.-July		91
	100	110	Apr.-Sept.		91
Deschutes at Benham Falls	388	108	Apr.-July		360
	590	107	Apr.-Sept.		550
Deschutes below Snow Creek	76	122	Apr.-Sept.	83	62
Deschutes, Little near La Pine	85	112	Apr.-July	103	73
	96	117	Apr.-Sept.	118	82
Ochoco Reservoir net Inflow	22	117	Apr.-Sept.		18.8
Odell near Crescent	33	120	Apr.-Sept.		28
Squaw near Sisters	52	104	Apr.-Sept.		50
Tumalo near Bend	55	127	Apr.-Sept.	58	44

FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second. Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
Crane Prairie net Inflow	300	Oct. 17	July 15
Crooked R. near Post	100	May 27	June 1
Deschutes at Bend	1500	Oct. 25	July 1
Little Deschutes near La Pine	400	June 7	June 7
	200	June 28	July 8

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage This Year	Usable Storage Last Year	Usable Storage Average [c]
Crane Prairie	55.3	54.5	57.7	44.8
Crescent Lake	86.9	82.7	81.4	50.4
Ochoco	47.5	42.2	30.8	30.9
Prineville	153.0	138.0	124.2	123.4
Wickiup	200.0	200.0	199.6	187.8

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF: Last Year	THIS YEAR'S MOISTURE as PERCENT OF: Average [c]
Crooked R., Upper Deschutes River	3	120	95

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF Last Year	THIS YEAR'S SNOW WATER AS PERCENT OF Average [c]
Crooked, Ochoco	4	70	110
Deschutes abv. Wickiup	3	90	130
Little Deschutes	4	85	125
Tumalo & Squaw Crs.	3	80	120

(a) Estimated. (b) 1958-72 adjusted average. (c) 1958-72, 15 year average. (d) Corrected to natural flow. (e) Not scheduled.

WATER SUPPLY OUTLOOK

HOOD, MILE CREEKS, LOWER DESCHUTES WATERSHEDS

OREGON

GENERAL OUTLOOK

WATER SUPPLIES SHOULD BE GOOD THIS NEXT SPRING AND SUMMER. THE MOUNTAIN SNOWPACK IS MUCH ABOVE AVERAGE. PRECIPITATION THIS PAST MONTH WAS NEAR NORMAL. STREAMFLOW IS EXPECTED TO BE AVERAGE TO ABOVE.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average [c]
Hood, West Fork near Dee	143	108	Apr.-July		132
	170	111	Apr.-Sept.		154
White below Tygh Valley	149	127	Apr.-July		118
	173	130	Apr.-Sept.		133

FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
Clear Branch Inflow	* 44	Jul 15-31	**39

* Average cfs forecast to flow for this two-week period.

**Average cfs for period of record.

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage This Year	Usable Storage Last Year	Usable Storage Average [c]
Clear Lake (Wasco)	11.9	10.6	11.4	3.8

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF Last Year	THIS YEAR'S SNOW WATER AS PERCENT OF Average [c]
Hood River	4	130	130
Mile Creeks	3	70	135
White River	2	135	135

(a) Estimated. (b) 1958-72 adjusted average. (c) 1958-72, 15 year average.((d) Corrected to natural flow. (e) Not scheduled.

WATER SUPPLY OUTLOOK

LOWER COLUMBIA WATERSHEDS

OREGON

GENERAL OUTLOOK

THE WATER SUPPLY PROSPECT FOR THE LOWER COLUMBIA IS ABOVE AVERAGE. THE SNOWPACK HAS INCREASED TO 113 PERCENT OF AVERAGE OVER THE ENTIRE COLUMBIA BASIN. HEAVIEST AMOUNTS OF SNOW WERE MEASURED ON THE YAKIMA AND PALOUSE BASINS IN WASHINGTON AND THE UMATILLA AND WILLAMETTE WATERSHEDS OF OREGON. SIMILAR CONDITIONS EXIST ON THE UPPER SNAKE IN WYOMING AND IDAHO. SIGNIFICANT INCREASES IN SNOW COVER WERE MEASURED ON MOST OTHER WATERSHEDS. RESERVOIR STORAGE CONTINUES TO BE ABOVE AVERAGE THROUGHOUT THE BASIN.

PRECIPITATION FOR THE WINTER PERIOD, NOVEMBER THROUGH MARCH, RANGED FROM 85 PERCENT OF AVERAGE IN EASTERN WASHINGTON UP TO 137 PERCENT OF AVERAGE ON THE UPPER SNAKE. THE COLUMBIA AT THE DALLES FORECAST INCREASED FROM 108 PERCENT OF AVERAGE LAST MONTH TO THIS MONTH'S 113 PERCENT OF AVERAGE FOR THE APRIL - SEPTEMBER PERIOD.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average [c]
Sandy River	1	170	135

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	THIS YEAR FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average [c]
Columbia at The Dalles	83,000	113	Apr.-June		73,160
	114,900	110	Apr.-Sept.		104,426
Sandy River near Marmot	389	114	Apr.-July		342
	444	112	Apr.-Sept.		398

HISTORICAL DATA (Columbia River at The Dalles)

YEAR	STREAMFLOW [d] (1,000 A F) APR — SEPT.	APR — JUNE	MAY — JUNE	REGULATED PEAK (1,000 cfs)	DATE
1958	97,700	72,000	58,600	593	May 31
1959	112,500	71,900	58,900	555	June 23
1960	97,000	64,000	48,000	442	June 6
1961	101,400	74,400	64,000	699	June 8
1962	94,600	64,100	49,200	460	June 5
1963	87,000	56,300	46,200	437	June 18
1964	109,020	70,739	61,313	662	June 18
1965	114,137	80,024	62,477	520	June 9
1966	87,268	58,120	45,922	396	June 12
1967	107,771	72,408	65,112	622	June 10
1968	89,000	55,500	47,900	404	June 13
1969	112,300	85,700	63,800	515	May 15
1970	88,100	62,800	55,200	425	May 28
1971	122,900	88,400	73,700	557	May 13
1972	134,700	96,400	81,400	619	June 20
1958-72 Avg.	104,300	72,900	59,900	529	

LOWER COLUMBIA RIVER FLOOD STAGES (with 9.5' tide at Astoria)

VANCOUVER GAGE (Weather Bu)	FLOW AT THE DALLES (1,000 cfs)	DRAINAGE DISTRICT PUMPHOUSE SANDY	SAUVIE ISL.	SCAPPOOSE	DEER ISL.	RAINIER	BEAVER	WOODSON
		RIVER MILES 118.9	96.0	91.0	77.0	62.0	52.0	47.0
35 (1894)	1210	41.2	34.2	33.3	28.5	21.9	17.5	15.5
34	1160	40.5	33.5	32.5	27.7	21.2	17.0	15.0
33	1100	39.6	32.4	31.4	26.7	20.2	16.1	14.3
32 (1972)	1050	38.9	31.5	30.5	25.7	19.5	15.4	13.7
31 (1948)	1000	38.0	30.7	29.5	25.1	18.8	14.7	13.0
30	943	36.6	29.5	28.5	24.3	18.1	14.0	12.4
29	897	35.5	28.5	27.7	23.7	17.5	13.4	11.8
28	853	34.3	27.5	26.7	22.8	17.0	13.0	11.4
27 (1956)	811	33.0	26.5	25.6	21.8	16.2	12.5	11.0
26 (1950)	771	32.1	25.5	24.6	20.9	15.5	12.2	10.7
25	733	30.7	24.2	23.2	19.7	14.6	11.7	10.3
24	697	29.7	23.0	22.2	19.0	14.1	11.4	10.2
23	662	29.0	22.3	21.4	18.4	13.6	11.2	10.0
22	628	28.1	21.4	20.3	17.2	13.0	10.9	9.7
21	595	27.2	20.7	19.5	16.4	12.6	10.6	9.6
20 (1954)	564	26.2	19.8	18.6	15.5	12.1	10.2	9.4
19	534	25.5	19.2	18.0	15.0	11.8	10.0	9.3
18	501	24.4	18.3	17.2	14.3	11.4	9.8	9.1
17	479	23.4	17.4	16.4	13.7	11.0	9.6	8.9
16	452	22.4	16.5	15.5	13.0	10.5	9.3	8.7

(a) Estimated (b) 1958-72 adjusted averagel (c) 1958-72, 15 year average. (d) Corrected to natural flow. (e) Not scheduled.

WATER SUPPLY OUTLOOK

WILLAMETTE WATERSHEDS

OREGON

GENERAL OUTLOOK

WATER SUPPLIES ARE EXPECTED TO BE ABOVE AVERAGE IN THE WILLAMETTE VALLEY EXCEPT ON THOSE DRAINAGES ORIGINATING IN THE COAST RANGE WHERE SUPPLIES WILL BE NEAR AVERAGE. THE SNOWPACK IS EXCELLENT IN THE CASCADES AND NEAR AVERAGE IN THE COAST RANGE. PRECIPITATION WAS BELOW NORMAL FOR MARCH. RESERVOIR STORAGE IS GOOD FOR THIS TIME OF YEAR AND STREAMFLOW IS EXPECTED TO BE AVERAGE TO ABOVE.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average [c]
Clackamas at Estacada	762	113	Apr.-July		674
	876	111	Apr.-Sept.		789
Clackamas above Three Lynx	580	114	Apr.-July		506
	678	112	Apr.-Sept.		604
McKenzie at McKenzie Bridge	520	115	Apr.-July		453
	680	114	Apr.-Sept.		598
McKenzie near Vida	1,208	117	Apr.-July		1,035
	1,457	115	Apr.-Sept.		1,262
McKenzie, So. Fork near Rainbow	274	130	Apr.-July		210
	302	127	Apr.-Sept.		239
Oak Grove Fork above Power Intake	138	112	Apr.-July		123
	184	114	Apr.-Sept.		162
Row near Dorena	100	103	Apr.-July		98
	106	103	Apr.-Sept.		102
Santiam, North at Mehama	903	118	Apr.-July		765
	1,036	118	Apr.-Sept.		872
Santiam, South at Waterloo	649	115	Apr.-July		564
	717	115	Apr.-Sept.		623
Willamette, Mid. Fk. blw. N. Fk. nr. Oakridge	759	112	Apr.-July	836	678
	877	112	Apr.-Sept.	943	779
Willamette, No. Fk. of Mid. Fk. near Oakridge	215	114	Apr.-July		189
	233	111	Apr.-Sept.		209
Willamette at Salem	4,837	110	Apr.-July		4,397
	5,437	110	Apr.-Sept.		4,943

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF Last Year	THIS YEAR'S SNOW WATER AS PERCENT OF Average [c]
Clackamas River	2	130	145
McKenzie River	3	105	140
Row River	2	100	145
Santiam River	4	125	150
Willamette, Mid. Fk.	5	90	125

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage This Year	Usable Storage Last Year	Usable Storage Average [c]
Blue River	85.6*	54.0	55.1	--
Cottage Grove	30.0*	16.4	16.9	16.6
Cougar	155.2*	87.6	97.4	74.3
Detroit	299.9*	132.5	201.4	177.6
Dorena	70.5*	38.4	37.6	38.4
Fall Creek	115.0*	73.0	74.7	73.8
Fern Ridge	94.2*	81.9	80.2	72.9
Foster	30.0*	9.6	14.7	9.0
Green Peter	270.0*	164.2	176.8	164.7
Hills Creek	200.0*	115.3	129.0	121.1
Lookout Point	337.2*	144.6	215.5	173.5
Timothy Lake	61.7	56.2	57.4	52.8
Henry Hagg Lake	53.0	53.0	49.1	--

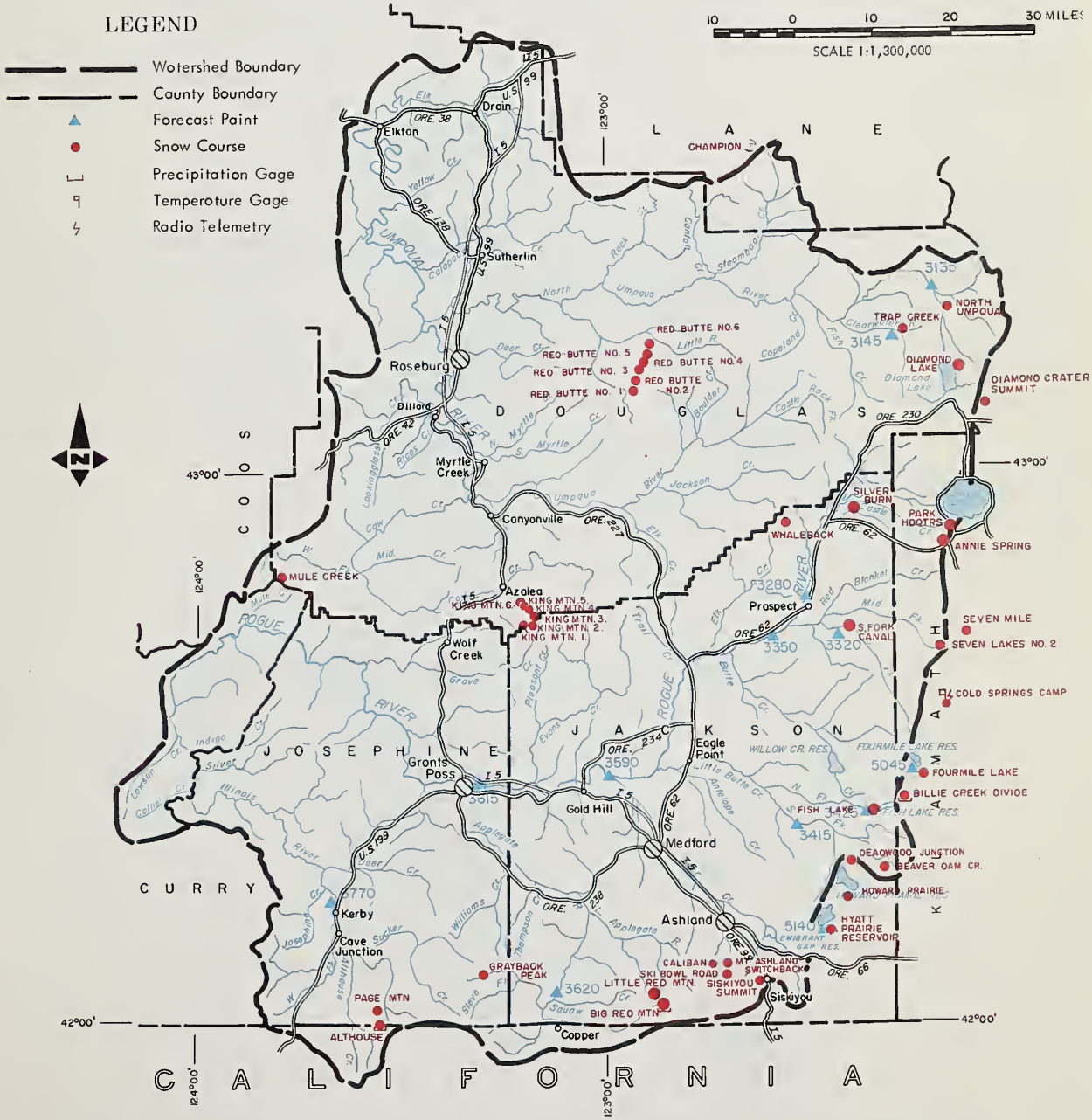
* Multiple purpose reservoir--space reserved primarily for flood runoff.

(a) Estimated. (b) 1958-72 adjusted average. (c) 1958-72, 15 year average. (d) Corrected to natural flow. (e) Not scheduled.

WATER SUPPLY OUTLOOK
ROGUE, UMPQUA, WATERSHEDS
OREGON

GENERAL OUTLOOK

WATER SUPPLIES ARE EXPECTED TO BE NEAR AVERAGE EXCEPT ON STREAMS DRAINING FROM THE SISKIYOUS WHERE SUPPLIES SHOULD BE BELOW AVERAGE TO POOR. THE SNOWPACK IS AVERAGE TO ABOVE IN THE CASCADES AND ABOUT TWO-THIRDS OF AVERAGE IN THE SISKIYOU MOUNTAINS. PRECIPITATION THIS PAST MONTH WAS BELOW NORMAL. MAJOR IRRIGATION RESERVOIRS SHOULD FILL. STREAMFLOW IS EXPECTED TO BE GOOD IN THE CASCADES AND BELOW NORMAL IN THE SISKIYOUS.



STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average [c]
Applegate near Copper	97	73	Apr.-Sept.		133
Clearwater above Trap Creek	79	114	Apr.-Sept.		69
Fourmile Lake net Inflow	5.0	116	Apr.-Sept.		4.3
Hyatt Reservoir net Inflow	5.0	109	Apr.-July		4.6
Illinois River near Kerby	163	85	Apr.-July		191
	168	85	Apr.-Sept.		197
Little Butte, N. Fk. at Fish Lake nr. Lake Cr.	13.9	101	Apr.-Sept.		13.7
Little Butte, S. Fk. near Lake Creek	35	113	Apr.-July		31
Rogue above Prospect	283	110	Apr.-July		256
	343	110	Apr.-Sept.		311
Rogue, South Fork near Prospect	72	118	Apr.-July		61
	82	115	Apr.-Sept.		72
Rogue at Raygold near Central Point	783	106	Apr.-July	1,030	735
	939	106	Apr.-Sept.	1,209	890
Rogue at Grants Pass	795	106	Apr.-Sept.		890
	939	106			
Umpqua, No. blw. Lemolo Res. nr. Toketee Falls	180	108	Apr.-Sept.		166

FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
Little Butte Creek, South Fork	100	May 27	May 27
Rogue at Raygold	1200	Sept. 2	Aug. 7
	*2000	July 1	
	*1280	Aug. 15	

* Average daily cfs forecast to flow on this date.

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage This Year	Usable Storage Last Year	Usable Storage Average [c]
Emigrant Lake	39.0	35.2	36.5	35.8*
Fish Lake	8.0	7.2	7.7	5.7
Fourmile Lake	16.1	--	12.9	9.7
Howard Prairie	60.0	54.1	44.2	38.7
Hyatt Prairie	16.1	14.4	13.1	12.3

*Average for years of record (in base period) after reconstruction.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF Last Year	THIS YEAR'S SNOW WATER AS PERCENT OF Average [c]
Applegate	3	45	70
Bear Creek	3	40	70
Butte Creek	4	75	140
Illinois River	3	40	70
North Umpqua	3	75	145
Rogue River	4	80	130

(a) Estimated. (b) 1958-72 adjusted average. (c) 1958-72, 15 year average. (d) Corrected to natural flow. (e) Not scheduled.

WATER SUPPLY OUTLOOK
KLAMATH WATERSHEDS
OREGON
GENERAL OUTLOOK

WATER SUPPLIES SHOULD BE ADEQUATE FOR USERS WITH RESERVOIR STORAGE AVAILABLE AND FOR THOSE WITH ACCESS TO STREAMS DRAINING FROM THE CASCADES. SUPPLIES WILL PROBABLY BE BELOW AVERAGE IN THE EASTERN HALF OF KLAMATH COUNTY FOR USERS DEPENDENT ON DIRECT DIVERSION. THE SNOWPACK IS GOOD IN THE CASCADES AND SLIGHTLY BELOW AVERAGE IN THE MOUNTAINS BETWEEN KLAMATH FALLS AND LAKEVIEW. PRECIPITATION THIS PAST MONTH WAS ABOUT ONE-HALF OF NORMAL. RESERVOIR STORAGE IS ADEQUATE.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average [c]
Clear Lake Reservoir Inflow	30	74	Apr.-July		40
	32	75	Apr.-Sept.		42
Gerber Reservoir Inflow	13.9	75	Apr.-July		18.6
	15.2	80	Apr.-Sept.		18.9
Sprague near Chiloquin	170	80	Apr.-July		212
	196	81	Apr.-Sept.		242
Upper Klamath Lake net Inflow	423	95	Apr.-July	632	445
	525	98	Apr.-Sept.	742	536
Williamson below Sprague River	389	94	Apr.-Sept.		414

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF: Last Year	Average [c]
Upper Klamath	1	130	100

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage This Year	Last Year	Average [c]
Clear Lake	440.2	300.7	336.6	248.9
Gerber	94.0	68.8	59.1	58.8
Upper Klamath Lake	584.0	415.0	430.9	475.4

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF Last Year	Average [c]
Lost River	4	50	105
Sprague River	3	50	90
Upper Klamath	6	65	110
Williamson River	3	55	105

(a) Estimated. (b) 1958-72 adjusted average. (c) 1958-72, 15 yeor average. (d) Corrected to natural flow. (e) Not scheduled.

WATER SUPPLY OUTLOOK

LAKE COUNTY, GOOSE LAKE WATERSHEDS

OREGON

GENERAL OUTLOOK

THE WATER SUPPLY OUTLOOK HAS IMPROVED FROM LAST MONTH'S REPORT. SUPPLIES ARE EXPECTED TO BE AVERAGE TO BELOW. THE SNOWPACK IS NOW NEAR AVERAGE. PRECIPITATION THIS PAST MONTH WAS ONE-HALF OF NORMAL. SOIL MOISTURE IS NEAR AVERAGE. SNOWMELT STREAMFLOW IS EXPECTED TO BE AVERAGE TO BELOW.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average [c]
Chewaucan near Paisley	57	75	Apr.-July	92	75
	58	73	Apr.-Sept.	97	79
Deep above Adel	56	85	Apr.-July	96	66
	58	86	Apr.-Sept.	99	68
Drews Reservoir net Inflow	27	100	Apr.-July		27
Honey Creek near Plush	14.4	85	Apr.-July		17.0
	14.6	85	Apr.-Sept.		17.2
Silver Creek near Silver Lake	10.2	75	Apr.-July		13.7
Twentymile near Adel	16.0	86	Apr.-July		18.6
	16.8	88	Apr.-Sept.		19.1

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF: Last Year	Average [c]
Chewaucan, Silver Creek, Drew Creek	1	130	100
Honey, Deep, 20-Mi. Cr.	1	105	95

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage This Year	Usable Storage Last Year	Usable Storage Average [c]
Cottonwood	8.7	3.0	--	5.3*
Drews	63.0	46.6	--	46.5
Thompson Valley	19.5	12.8	--	--

* Average for years of record (in base period) after reconstruction.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF Last Year	Average [c]
Chewaucan River	3	50	90
Deep Creek	2	60	110
Drew Creek	3	56	135
Honey Creek	3	60	100
Silver Creek	3	30	90
Twentymile Creek	2	90	125

(a) Estimated. (b) 1958-72 adjusted average. (c) 1958-72, 15 year average. (d) Corrected to natural flow. (e) Not scheduled.

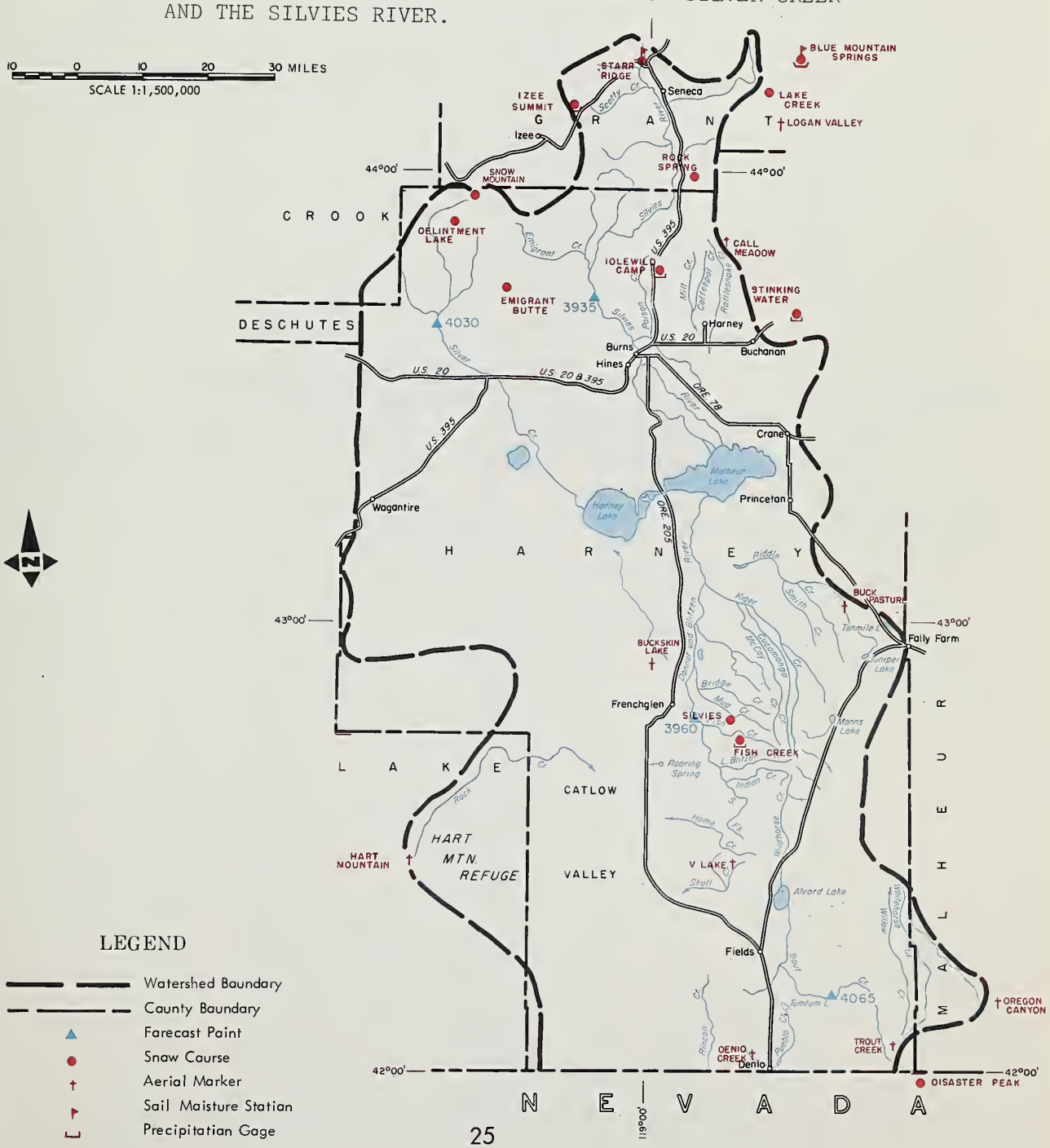
WATER SUPPLY OUTLOOK

HARNEY BASIN WATERSHEDS

OREGON

GENERAL OUTLOOK

WATER SUPPLIES ARE EXPECTED TO BE NEAR AVERAGE SOUTH OF MALHEUR LAKES AND ABOVE AVERAGE TO THE NORTH. THE SNOW-PACK IS ABOVE AVERAGE. SOIL MOISTURE IS NEAR AVERAGE. VALLEY PRECIPITATION HAS BEEN BELOW AVERAGE AND STREAM-FLOW IS EXPECTED TO BE NEAR AVERAGE FROM THE STEEN AND TROUT CREEK RANGES AND ABOVE AVERAGE ON SILVER CREEK AND THE SILVIES RIVER.



LEGEND

- Watershed Baundary
- County Baundary
- Farecast Paint
- Snow Caurse
- Aerial Marker
- Sail Maisture Statian
- Precipitatian Gage

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average [c]
Donner und Blitzen near Frenchglen	50	103	Apr.-July		48
	54	102	Apr.-Sept.		53
Silver near Riley	21	135	Apr.-July		15.6
Silvies River near Burns	86	119	Apr.-July	130	73
	87	118	Apr.-Sept.	133	74
Trout Creek near Denio	6.8	91	Apr.-July		7.5
	7.2	91	Apr.-Sept.		7.9

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF: Last Year	Average [c]
Silvies River, Silver Cr.	3	105	100
Trout Cr., Donner und Blitzen River	--	--	--

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF Last Year	Average [c]
Donner und Blitzen R.	4	75	115
Silver Creek	3	80	125
Silvies River	3	75	130
Trout Creek	3	85	155

(a) Estimated. (b) 1958-72 adjusted average. (c) 1958-72, 15 year average (d) Corrected to natural flow. (e) Not scheduled.

BASIC DATA SUPPLEMENT 1

APRIL 1, 1976

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR: Date of Survey	Snow Depth (In.)	Water Cont (In.)	PAST REC.: Water Content (inches) Last Yr.	Ave.C
OWYHEE, MALHEUR WATERSHEDS					
Antelope Ridge (Ida.)	3/26	18	6.8	13.0	5.5
Battle Creek (Ida.)***	3/30	12	3.8	5.2	1.8
Bear Creek (Nev.)	3/31	69	22.8	28.3	21.0
Big Bend (Nev.)	3/30	38	12.0	14.8	8.1
Blue Mountain Springs	3/30	54	16.4	22.7	15.6
Blue Mtn. Springs Pillow	3/30	63	18.5	16.2	---
Buck Pasture***	3/29	16	5.1	5.2	1.9
Buckskin, Lower (Nev.)	3/30	25	8.2	16.2	7.4
Buckskin, Upper (Nev.)	3/30	31	10.5	---	10.4
Bull Basin (Ida.)***	3/30	T	0.0	1.0	0.5
Bully Creek***	3/30	T	0.0	2.6	1.0
Call Meadow***	3/30	8	2.4	7.9	3.1
Columbia Basin (Nev.)***	3/31	42	8.5	13.5	5.9
Cottonwood-Indian***	3/30	0	0.0	---	0.1
Disaster Peak (Nev.)	3/30	30	10.4	25.8	10.8
Eldorado Pass	3/30	0	0.0	6.1	1.0
Fawn Creek (Nev.)	3/31	24	6.7	8.3	2.5
Fish Creek	3/31	83	27.6	31.3	25.4
Fish Creek***	3/29	82	27.9	31.6	23.4
Flag Prairie***	3/30	3	0.9	8.9	2.8
Fox Creek (Nev.)	3/31	36	11.6	---	9.4
Fry Canyon (Nev.)	3/30	29	10.1	11.5	5.3
Gold Creek (Nev.)	3/30	25	8.0	9.4	4.9
Granite Peak (Nev.)	3/30	48	16.3	---	15.4
Hyde Pasture (Ida.)***	3/30	12	3.8	10.5	3.0
Jack Creek, Lower (Nev.)	3/30	16	3.8	8.5	2.5
Jack Creek, Upper (Nev.)	3/30	38	9.5	15.8	10.0
Jack Peak (Nev.)	3/30	84	28.4	---	24.6
Lake Creek R.S.	3/30	39	12.3	16.0	8.9
Laurel Draw (Nev.)***	3/30	36	10.9	15.1	6.5
Logan Valley***	3/30	27	8.6	11.2	5.6
Lookout Butte***	3/30	0	0.0	0.0	0.0
Louse Canyon***	3/30	27	8.6	15.3	1.9
Martin Creek (Nev.)	3/30	25	8.3	---	9.1
Merritt Mountain (Nev.)***	3/31	31	9.6	10.5	4.2
Midas (Nev.)	3/30	0	0.0	0.5	2.7
Mud Flat (Ida.)	3/26	22	7.9	10.2	4.4
Oregon Canyon***	3/29	19	6.1	5.2	4.1
Quinn Ridge (Nev.)***	3/30	T	0.0	7.4	0.8
Red Canyon (Ida.)***	3/30	21	6.7	11.9	4.6
Rock Spring	3/30	21	7.4	9.4	4.0
Rodeo Flat (Nev.)	3/30	22	6.3	11.6	5.1
76 Creek (Nev.)***	3/31	41	12.4	---	11.6
Silver City (Ida.)***	3/30	34	10.9		
Silver City (Ida.)	3/31	54	17.4	22.4	15.1
Silvies	4/5	39	14.5	16.0	13.1
Silvies***	3/29	30	9.6	12.6	9.4
South Mountain #2 (Ida.)	4/3	41	14.8	20.5	12.4
Stag Mountain (Nev.)***	3/31	7	2.2	11.0	3.7
Stinking Water	3/30	2	0.6	4.8	0.8
Succor Creek (Ida.)***	3/30	29	9.3	12.6	4.6
Taylor Canyon (Nev.)	3/30	1	0.4	9.6	2.7
Toe Jam (Nev.)***	No report			14.4	6.8
Tremewan Ranch (Nev.)	3/30	0	0.0	0.0	0.2
Triangle (Ida.)***	3/30	T	0.0	T	---
Trout Creek***	3/29	34	10.9	16.3	7.3
"V" Lake***	3/29	30	9.6	16.0	5.0
Vaught Ranch (Ida.)***	3/30	12	3.8	6.3	1.3
War Eagle (Ida.)***	3/30	75	28.5	26.9	22.2

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR: Date of Survey	Snow Depth (In.)	Water Cont. (In.)	PAST REC.: Water Content (inches) Last Yr.	Ave.C
BURNT, POWDER, PINE, GRANDE RONDE, IMNAHA WATERSHEDS					
Aneroid Lake #1	3/30	95	33.6	41.4	37.7
Aneroid Lake #2	3/31	89	33.6	37.0	33.6
Anthony Lake	3/30	88	30.6	35.1	27.4
Bald Mountain (Ore.)***	3/29	89	31.1	27.9	24.6
Beaver Reservoir	3/29	42	12.5	15.7	12.8
Big Sheep***	3/29	72	25.2	33.6	24.7
Blue Mtn. Summit	3/29	34	10.2	13.0	7.5
Bourne	3/29	56	16.2	20.0	14.6
Bourne Pillow*	3/29		28.4		
County Line	3/30	25	8.1	6.9	3.9
Dooley Mountain	3/30	28	8.7	12.1	8.0
Eilertson Meadows	3/29	46	13.4	15.5	11.3
Eldorado Pass	3/30	0	0.0	6.1	1.0
Gold Center	3/29	45	13.8	18.5	12.5
Goodrich Lake	3/29	---	40.4	46.6	39.5
Little Alps	3/30	47	13.6	19.2	14.8
Little Antone	3/30	22	7.6	12.2	5.5
Little Antone Alt.	3/30	29	10.0	13.8	---
Lucky Strike	3/29	45	13.5	14.5	13.0
Meacham	3/30	48	17.8	13.7	8.2
Mirror Lake***	3/29	221	77.4	67.9	72.5
Moss Spring	3/29	90	29.0	31.6	24.4
Schneider Meadow	3/29	87	30.5	37.3	31.1
Schoolmarm	3/30	23	7.8	3.8	2.8
Standley***	3/29	103	38.0	41.0	33.4
Taylor Green	3/29	64	16.0	21.8	16.9
Tipton	3/29	40	12.5	16.5	9.5
Tipton Snow Pillow*	3/29	49	14.5	21.1	---
Tollgate	3/29	101	36.8	30.7	25.5
TV Ridge***	3/29	81	28.0	26.2	23.8
West Eagle Meadows***	3/29	84	29.4		
UMATILLA, WALLA WALLA, WILLOW, ROCK LOWER JOHN DAY WATERSHEDS					
Arbuckle Mountain	3/29	40	13.0	14.8	10.2
Arbuckle Mtn. Pillow*	3/29		24.2	31.9	---
Blue Mountain Camp	3/29	61	27.4	16.8	14.0
Bowman Springs Pillow*	3/29		20.6		
Butte Creek Summit	4/1	0	0.0	3.7	---
Emigrant Springs	3/30	26	10.0	5.2	2.3
High Ridge Pillow	3/30	114	41.5	33.6	---
Lucky Strike	3/29	45	13.5	14.5	13.0
Meacham	3/30	48	17.8	13.7	8.2
Tollgate	3/29	101	36.8	30.7	25.5

BASIC DATA SUPPLEMENT 1

APRIL 1, 1976

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR: Date of Survey	Snow Depth (In.)	Water Cont. (In.)	PAST REC. Water Content (inches): Last Yr.	Ave.C
UPPER JOHN DAY WATERSHEDS					
Anthony Lake	3/30	88	30.6	35.1	27.4
Arbuckle Mountain	3/29	40	13.0	14.8	10.2
Arbuckle Mt. Pillow*	3/29		24.2	31.9	---
Blue Mountain Springs	3/30	54	16.4	22.7	15.6
Blue Mt. Springs Pillow	3/30	63	18.5	16.2	---
Blue Mountain Summit	3/29	34	10.2	13.0	7.5
Butte Creek Summit	4/1	0	0.0	3.7	---
Derr	3/24	31	9.0	12.9	9.0
Gold Center	3/29	45	13.8	18.5	12.5
Indian Creek Butte***	3/30	72	23.0	29.8	23.1
Izee Summit	3/31	31	9.3	12.2	6.7
Lucky Strike	3/29	45	13.5	14.5	13.0
Marks Creek	3/29	9	3.2	6.4	1.7
Ochoco Meadows	3/31	34	11.4	15.8	8.6
Olive Lake***	3/30	68	21.8	25.2	21.1
Schoolmarm	3/30	23	7.8	3.8	2.8
Snow Mountain	3/29	47	11.9	16.6	12.6
Starr Ridge	3/31	22	6.7	9.9	3.9
Tipton	3/29	40	12.5	16.5	9.5
Tipton Snow Pillow*	3/29	49	14.5	21.1	---
UPPER DESCHUTES, CROOKED WATERSHEDS					
Bald Peter	No report			53.2	---
Caldwell Ranch	3/24	31	10.4	16.4	7.3
Cascade Summit	3/30	109	37.8	40.8	28.8
Chemult	3/30	18	5.9	16.2	7.1
Chemult Alternate	3/30	24	8.0	19.8	---
Derr	3/24	31	9.0	12.9	9.0
Hogg Pass	3/30	142	54.1	49.9	41.1
Hungry Flat	3/29	0	0.0	15.4	2.2
Irish-Taylor Pillow**	3/30	142	51.7	49.5	38.0
Lionshead***	No report				
Marks Creek	3/29	9	3.2	6.4	1.7
New Crescent Lake	3/29	51	17.4	21.8	13.0
New Dutchman Flat #2	3/29	157	64.7	72.5	51.0
Ochoco Meadows	3/31	34	11.4	15.8	8.6
Racing Creek	No report			22.6	---
Snow Mountain	3/29	47	11.9	16.6	12.6
Summit Lake	3/29	146	50.2	52.4	40.3
Summit Lake Pillow**	4/1		31.9	48.4	---
Tamarack	3/29	21	6.3	9.4	3.1
Tangent	3/29	69	25.8	37.1	21.6
Three Creek Butte	3/25	41	10.8	17.2	8.2
Three Creek Meadow	3/25	69	20.5	26.5	18.3
Three Creek Mdw. Pillow**	3/25	91	26.3	27.2	---
Waldo Lake	3/24	110	36.4	44.7	31.0
Whitewater Meadow***	No report			9.9	---

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR: Date of Survey	Snow Depth (In.)	Water Cont. (In.)	PAST REC. Water Content (inches): Last Yr.	Ave.C
HOOD, MILE CREEKS, LOWER DESCHUTES WATERSHEDS					
Brooks Meadows	3/30	41	13.5	18.0	10.2
Clear Lake	4/1	38	11.7	13.0	8.9
Clear Lake (Experimental)	4/1	62	19.4	20.3	15.2
Greenpoint	3/28	51	17.2	17.2	16.1
Knebal Springs	3/30		8.8	13.9	6.3
Mt. Hood Test Site**	4/1		78.8	---	65.0
Mud Ridge	3/30	113	41.2		
Mud Ridge Pillow*	3/30	--	49.0		
Red Hill	3/28	152	53.3	37.8	41.6
Still Creek	3/30	96	34.0	19.7	24.1
Switchback	3/25	50	17.2	15.8	13.1
Tilly Jane	3/27	132	46.2	53.6	42.1
Ulrich Ranch Junction	3/30		4.3	5.4	3.0
Umbrella Falls	3/31	194	77.6	78.2	70.8
WILLAMETTE WATERSHEDS					
Cascade Summit	3/30	109	37.8	40.8	28.8
Champion	3/30	111	41.0	41.6	29.2
Clackamas Lake	3/28	51	15.6	12.5	11.7
Clear Lake	4/1	38	11.7	13.0	8.9
Clear Lake (Expt.)	4/1	62	19.4	20.3	15.2
Dead Horse Grade	3/30	65	22.9	22.2	17.3
Detroit (Town)	3/30	0	0.0	0.0	0.0
Detroit Dam	3/30	0	0.0	0.0	0.0
Golden Curry Creek	3/30	24	5.8	5.2	3.4
Hogg Pass	3/30	142	54.1	49.9	41.1
Lake Harriet	4/1	0	0.0	---	0.0
Laurel Mountain	4/1	41	17.5	10.1	---
Layng Creek	3/30	0	0.0	0.0	0.0
Lookout Point Dam	3/30	0	0.0	---	0.0
Lost Creek Ranch	3/30	0	0.0	0.0	2.2
Lund Park	3/30	0	0.0	0.0	0.0
Marion Forks	3/30	52	20.9	12.3	11.7
Marys Peak	3/30	39	15.7	10.1	12.4
McCredie Springs	3/30	0	0.0	0.0	0.0
McKenzie	3/30	154	59.5	57.6	43.5
McKenzie Bridge	3/30	0	0.0	0.0	0.0
Mill City	3/30	0	0.0	0.0	0.0
Mt. Hood Test Site**	4/1		78.8	---	65.0
Mud Ridge	3/30	113	41.2		
Mud Ridge Pillow*	3/30	---	49.0		
Oakridge	3/30	0	0.0	---	0.0
Peavine Ridge Pillow**	4/1		24.6	14.3	16.3
Railroad Overpass	3/30	0	0.0	2.1	0.4
Saddle Mountain Pillow**	4/2		19.0	14.0	---
Salt Creek Falls	3/30	60	20.4	18.6	15.4
Santiam Junction	3/30	90	34.3	28.9	21.6
Seine Creek Pillow**	4/2		4.8	2.9	---
Still Creek	3/30	96	34.0	19.7	24.1
Summit Lake	3/29	146	50.2	52.4	40.3
Summit Lake Pillow**	4/1		31.9	48.4	---
Timothy Lake	3/30	58	19.0	16.6	15.7
Valsetz Summit	4/1	T	0.0	3.6	---
Vida	3/30	0	0.0	0.0	0.0
Waldo Lake	3/24	110	36.4	44.7	31.0
Weaver Creek	3/30	8	0.6	T	0.2
White Branch Slide	3/30	36	13.2	10.9	6.1
Whitewater Bridge	3/30	11	4.6	1.5	2.0

BASIC DATA SUPPLEMENT 1

APRIL 1, 1976

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR: Date of Survey	Snow Depth (In.)	Water Cont (In.)	PAST REC.: Water Content (inches) Last Yr.	Ave c
ROGUE, UMPQUA WATERSHEDS					
Althouse	3/29	17	5.0	14.1	7.5
Annie Spring	3/29	131	48.1	57.1	45.9
Beaver Dam Creek	3/31	50	17.4	26.6	11.4
Big Red Mountain	3/29	60	20.9	44.4	30.3
Billie Creek Divide	3/29	80	29.4	37.6	20.7
Caliban	3/26	75	22.7	47.2	32.8
Caliban (Alternate)	3/26	71	20.8	45.4	---
Champion	3/30	111	41.0	41.6	29.2
Cold Spgs. Camp Pillow**	3/30	122	44.5	---	---
Deadwood Junction	3/31	36	11.4	18.5	7.4
Diamond-Crater Summit	3/25	118	37.0	45.0	31.4
Diamond Lake	3/25	83	24.9	33.0	21.2
Diamond Lake Junction (97)	3/25	7	2.7		
Fish Lake	3/31		17.4	27.1	11.4
Fourmile Lake	3/29		28.6	35.4	25.1
Grayback Peak	3/29	52	18.7	42.1	26.2
Howard Prairie Reservoir	3/31	31	9.9	18.0	6.7
Hyatt Prairie	3/31	24	7.2	16.9	6.3
King Mountain #1	3/29	20	5.8	19.2	8.4
King Mountain #2	3/29	11	3.2	14.4	6.4
King Mountain #3	3/29	0	0.0	4.2	0.3
King Mountain #4	3/29	0	0.0	0.0	0.0
King Mountain #5	3/29	0	0.0	0.0	0.0
King Mountain #6	3/29	0	0.0	0.0	0.0
Little Red Mountain	3/29	50	17.7	41.1	24.5
Mt. Ashland Switchback	3/26	73	22.5	48.5	33.2
Mule Creek	3/29	20	6.8	11.8	---
North Umpqua	3/26	59	20.3	24.6	12.2
Page Mountain	3/29	8	2.3	6.2	3.6
Park Headquarters	3/29	174	66.1	75.5	60.3
Red Butte #1	3/27	53	18.9	22.7	15.0
Red Butte #2	3/27	28	8.7	17.2	9.3
Red Butte #3	3/27	13	1.6	6.2	7.5
Red Butte #4	3/27	3	0.5	3.2	3.4
Red Butte #5	3/27	0	0.0	1.6	0.0
Red Butte #6	3/27	0	0.0	0.0	0.0
Seven Mile	3/31	112	40.2	45.6	---
Silver Burn	3/30	45	15.5	22.5	10.9
Siskiyou Summit	3/29	10	3.7	17.4	3.4
Ski Bowl Road	3/26	63	18.8	49.0	27.6
South Fork Canal	3/30	0	0.0	2.6	0.7
Trap Creek	3/26	46	16.5	22.5	9.0

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR: Date of Survey	Snow Depth (In.)	Water Cont. (In.)	PAST REC.: Water Content (inches) Last Yr.	Ave c
KLAMATH WATERSHEDS					
Annie Spring	3/29	131	48.1	57.1	45.9
Billie Creek Divide	3/29	80	29.4	37.6	20.7
Chemult	3/30	18	5.9	41.6	29.2
Chemult (Alternate)	3/30	24	8.0	16.2	7.1
Chiloquin (PP&L)	4/1	0	0.0	---	T
Cold Springs Camp	3/30	122	44.5		
Cold Spgs. Camp Pillow**	3/30	79	27.3	---	---
Crazyman Flat***	3/29	30	10.5	16.7	9.0
Crowder Flat (Calif.)	3/29	0	0.0	7.3	1.5
Crystal (PP&L)	3/29	18	7.2	18.0	5.3
Diamond-Crater Summit	3/25	118	37.0	45.0	31.4
Diamond Lake Junction (97)	3/25	7	2.7	11.7	4.1
Dog Hollow***	3/29	0	0.0	2.5	0.5
Finley Corrals***	3/29	58	20.3	23.4	14.7
Fort Klamath (PP&L)	No report			8.6	1.2
Fourmile Lake	3/29		28.6	35.4	25.1
Gerber	No report			3.4	0.6
Harriman (PP&L)	No report			8.6	1.8
Howard Prairie	3/31	31	9.9	18.0	6.7
Hyatt Prairie Reservoir	3/31	24	7.2	16.9	6.3
Kirk (PP&L)	No report			13.3	2.6
Park Headquarters	3/29	174	66.1	75.5	60.3
Quartz Mountain	3/31	15	5.6	13.0	4.5
Seven Mile	3/31	112	40.2	45.6	---
State Line (Calif.)	3/29	32	10.9	15.8	7.1
Strawberry	3/27	22	7.3	13.4	6.2
Strawberry***	3/29	19	6.3	15.8	5.7
Summer Rim	3/29	48	14.5	20.8	17.0
Summer Rim***	3/29	40	14.0	16.5	17.3
Summer Rim Pillow*	No report			19.7	---
Sycan Flat***	3/29	15	4.8	11.7	4.7
Taylor Butte	3/29	7	2.6	9.6	3.2
LAKE COUNTY, GOOSE LAKE WATERSHEDS					
Adin Mountain (Calif.)	3/25	28	10.0	20.4	12.3
Bald Mountain (Nev.)***	3/29	7	2.1	5.0	2.5
Bear Flat Meadow	3/29	22	7.5	17.8	10.9
Camas Creek	3/31	24	8.8	18.9	9.1
Cedar Pass (Calif.)	3/22	52	18.0	24.5	15.6
Colvin Creek***	3/29	12	3.8	7.2	4.9
Cox Flat***	3/29	24	8.2	17.8	6.1
Crowder Flat (Calif.)***	3/29	0	0.0	7.3	1.5
Dismal Swamp (Calif.)***	3/29	62	24.2	23.7	18.5
Finley Corrals***	3/29	58	20.3	23.4	14.7
Hart Mountain***	3/29	9	2.7	4.0	1.1
Little Bally Mtn. (Nev.)***	3/29	8	2.4	7.2	1.6
Mt. Bidwell (Calif.)	3/25	61	23.6	32.3	---
North Star (Calif.)	3/25	50	20.0	24.1	---
Patton Meadows***	3/29	60	21.0	26.4	17.5
Quartz Mountain	3/31	15	5.6	13.0	4.5
Rogger Meadow***	3/29	45	15.8		
Sherman Valley***	3/29	39	13.6	18.9	12.1
Silver Creek	3/27	2	0.7	5.1	1.0
State Line (Calif.)***	3/29	32	10.9	15.8	7.1
Strawberry	3/27	22	7.3	13.4	6.2
Strawberry***	3/29	19	6.3	15.8	5.7
Summer Rim	3/29	48	14.5	20.8	17.0
Summer Rim***	3/29	40	14.0	16.5	17.3
Summer Rim Pillow*	No report			19.7	---
Sycan Flat***	3/29	15	4.8	11.7	4.7

BASIC DATA SUPPLEMENT 1

APRIL 1, 1976

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (In.)	THIS YEAR: Water Cont. (In.)	PAST REC.: Water Content (inches): Last Yr.	PAST REC.: Water Content (inches): Ave.[c]
HARNEY BASIN WATERSHEDS					
Blue Mountain Springs	3/30	54	16.4	22.7	15.6
Blue Mtn. Springs Pillow*	3/30	63	18.5	16.2	---
Buck Pasture***	3/29	16	5.1	5.2	1.9
Buckskin Lake***	3/29	0	0.0	---	0.0
Call Meadows***	3/30	8	2.4	7.9	3.1
Delintment Lake	3/29	31	8.9	9.4	6.0
Denio Creek***	3/29	3	0.9	T	0.2
Disaster Peak (Nev.)	3/30	30	10.4		
Emigrant Butte	3/29	12	4.6	6.3	1.6
Fish Creek	3/31	83	27.6	31.3	25.4
Fish Creek***	3/29	82	27.9	31.6	23.4
Hart Mountain***	3/29	9	2.7	4.0	1.1
Idlewild Camp Alternate	3/30	5	1.6	6.7	---
Izee Summit	3/31	31	9.3	12.2	6.7
Lake Creek R.S.	3/30	39	12.3	16.0	8.9
Oregon Canyon***	3/29	19	6.1	5.2	4.1
Rock Spring	3/30	21	7.4	9.4	4.0
Silvies	4/5	39	14.5	16.0	13.1
Silvies***	3/29	30	9.6	12.6	9.4
Snow Mountain	3/29	47	11.9	16.6	12.6
Snow Mountain Pillow**	No report			10.0	---
Starr Ridge	3/31	22	6.7	9.9	3.9
Stinking Water	3/30	2	0.6	4.8	0.8
Trout Creek***	3/29	34	10.9	16.3	7.3
"V" Lake***	3/29	30	9.6	16.0	5.0
LOWER COLUMBIA WATERSHEDS					
Blazed Alder**	4/2		23.1	---	---
Mt. Hood Test Site**	4/1		78.8	---	65.0
Mud Ridge	3/30	113	41.2	---	---
Mud Ridge*	3/30		49.0		
Still Creek	3/30	96	33.0	19.7	24.1

* Manometer reading
** Telemetry reading
*** Aerial Reading

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (In.)	THIS YEAR: Water Cont. (In.)	PAST REC.: Water Content (inches): Last Yr.	PAST REC.: Water Content (inches): Ave.[c]

(a) Estimated. (b) 1958-72 adjusted average. (c) 1958-72, 15 year average. (d) Corrected to natural flow. (e) Not scheduled.

BASIC DATA SUPPLEMENT 2

APRIL 1, 1976

SOIL MOISTURE

DRAINAGE BASIN and/or STATION		Profile (Inches)		Date of Survey	Soil Moisture (Inches)		
Name	Elevation	Depth	Capacity		This Year	Last Year	Average [c]
OWYHEE, MALHEUR WATERSHEDS							
Bear Creek (Nev.)	7800	72	16.8	3/31	11.4	----	11.5
Big Bend (Nev.)	6700	48	16.7	3/30	16.2	14.0	15.0
Blue Mountain Spring	5900	42	16.9	No Report		8.7	11.5
Mud Flat (Ida.)	5500	48	12.8	No Report			13.3
Rodeo Flat (Nev.)	6800	42	11.0	3/30	7.2	6.6	8.4
Taylor Canyon (Nev.)	6200	48	15.1	3/30	15.1	10.4	12.9
BURNT, POWDER, PINE, GRANDE RONDE, IMNAHA WATERSHEDS							
Blue Mountain Summit	5100	36	16.8	3/29	11.0	12.1	12.1
Dooley Mountain	5430	36	9.2	3/29	4.0	5.3	4.9
Emigrant Springs	3925	48	22.3	3/30	23.9	19.0	21.0
Ladd Summit	3730	48	18.9	3/31	12.1		
Moss Springs	5850	36	25.8	3/29	14.0	14.1	15.0
Tollgate	5070	48	23.6	3/29	17.6	13.6	18.9
UMATILLA, WALLA WALLA, WILLOW, ROCK, LOWER JOHN DAY WATERSHEDS							
Battle Mountain Summit	4340	48	13.8	3/31	12.1	----	13.4
Emigrant Springs	3925	48	22.3	3/30	23.9	19.0	21.0
Tollgate	5070	48	23.6	3/29	17.6	13.6	18.9
UPPER JOHN DAY WATERSHEDS							
Battle Mountain Summit	4340	48	13.8	3/31	12.1	----	13.4
Blue Mountain Spring	5900	42	16.9	No Report		8.7	11.5
Blue Mountain Summit	5100	36	16.8	3/29	11.0	12.1	12.1
Derr	5670	24	9.0	3/24	8.6	----	8.5
Marks Creek	4540	36	14.1	3/29	12.0	9.4	13.0
Snow Mountain	6300	48	16.7	3/30	14.0	12.3	14.3
Starr Ridge	5150	36	10.6	3/31	10.4	10.6	10.1
UPPER DESCHUTES, CROOKED WATERSHEDS							
Derr	5670	24	9.0	3/24	8.6	----	8.5
Marks Creek	4540	36	14.1	3/29	12.0	9.4	13.0
Snow Mountain	6300	48	16.7	3/30	14.0	12.3	14.3
KLAMATH WATERSHEDS							
Quartz Mountain	5230	48	15.3	3/31	8.9	6.9	9.1

BASIC DATA SUPPLEMENT 2

APRIL 1, 1976

SOIL MOISTURE

DRAINAGE BASIN and/or STATION		Profile (Inches)		Date of Survey	Soil Moisture (Inches)		
Name	Elevation	Depth	Capacity		This Year	Last Year	Average
LAKE COUNTY, GOOSE LAKE WATERSHEDS							
Camas Creek	5720	42	14.5	3/31	11.7	11.5	12.8
Quartz Mountain	5230	48	15.3	3/31	8.9	6.9	9.1
HARNEY BASIN WATERSHEDS							
Blue Mountain Spring	5900	42	16.9	No Report		8.7	11.5
Silvies	6900	48	16.4	4/6	14.6	13.8	13.7
Snow Mountain	6300	48	16.7	3/30	14.0	12.3	14.3
Starr Ridge	5150	36	10.6	3/31	10.4	10.6	10.1
Willow-Bald	5000	24	6.6	3/30	5.2	5.6	5.9

(a) Estimated. (b) 1958-72 adjusted average. (c) 1958-72, 15 year average. (d) Corrected to natural flow. (e) Not scheduled.

BASIC DATA SUPPLEMENT 3

APRIL 1, 1976

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION		PAST RECORD	
		Date of Reading	Precip-itation	Last Year	Average [c]
Althouse (Josephine County)	4530	From 2/26 to 3/29	23.85		
Big Red Mountain (Jackson County)	6240	From 2/24 to 3/29	3.25		
Brooks Meadow (Hood River County)	4520	From ____ to 3/30	29.00		
Camas Creek (Lake County)	5825	From 2/26 to 3/31	3.45		
County Line (Umatilla County--Starkey Hdgs.)	4800	From ____ to 3/30	1.00		
Marks Creek (Crook-Wheeler Cos.)	4540	From ____ to 3/29	2.00		
Quartz Mt. Summit (Lake County)	6300	From 2/20 to 3/31	3.65		
Silver Creek (Lake County)	4900	From 2/22 to 3/27	2.95		
Strawberry (Lake County)	5760	From ____ to 3/27	2.50		
Summer Rim (Lake County)	7200	From ____ to 3/29	4.00		

(a) Estimated. (b) 1958-72 adjusted average. (c) 1958-72, 15 year average. (d) Corrected to natural flow. (e) Not scheduled.

OWYHEE, MALHEUR WATERSHEDS (1)

Owyhee River

Number	Name		Sec	Twp	Rge	Elev
16G6	Antelope Ridge	(Ida)	20	8S	1E	5900
16G9a	Battle Creek	(Ida)	10	11S	1E	5700
15H1MA	Bear Creek	(Nev)	31	46N	58E	7800
15H4MP	Big Bend	(Nev)	30	45N	56E	6700
17H2	Buckskin, Lower	(Nev)	25	45N	39E	6700
17H1	Buckskin, Upper	(Nev)	11	45N	39E	7200
16G10a	Bull Basin	(Ida)	29	12S	5W	5600
16H6a	Columbia Basin	(Nev)	31	44N	53E	6650
18H1	Disaster Peak	(Nev)	8	47N	34E	6500
16H8a	Fawn Creek	(Nev)	2	45N	52E	7000
18G2PA	Fish Creek		4	33S	33E	7900
15H2	Fox Creek	(Nev	33	46N	58E	6800
15H7	Fry Canyon	(Nev)	31	43N	54E	6700
15H5	Gold Creek	(Nev)	31	45N	56E	6600
17H4	Granite Peak	(Nev)	22	44N	39E	7800
16G5a	Hyde Pasture	(Ida)	31	8S	2W	5800
16H1M	Jack Creek, Lower	(Nev)	18	42N	53E	6800
16H2A	Jack Creek, Upper	(Nev)	9	42N	53E	7250
16H4	Jack Peak	(Nev)	28	42N	53E	8420
17G3m	Jordan Valley		2	30S	46E	4390
16H5	Laurel Draw	(Nev)	20	45N	53E	6700
17G6a	Lookout Butte		2	40S	47E	5650
17G4a	Louse Canyon		27	40S	44E	6440
17H3	Martin Creek	(Nev)	18	44N	40E	6700
15H20a	Merritt Mountain	(Nev)	10	46N	54E	7000
16H3AP	Midas	(Nev)	18	39N	46E	7200
16G7MP	Mud Flat	(Ida)	34	9S	2W	5500
17G5a	Oregon Canyon		8	40S	40E	6950
17H6a	Quinn Ridge	(Nev)	9	47N	41E	6300
16G11a	Red Canyon	(Ida)	32	11S	4W	6650
15H6MP	Rodeo Flat	(Nev)	36	43N	53E	6800
15H3A	76 Creek	(Nev)	6	44N	58E	7100
16F3AP*	Silver City	(Ida)	6	5S	3W	6400
18G1PA	Silvies		35	32S	33E	6900
16G1P	South Mountain No.2	(Ida)	10	8S	5W	6340
15H19a	Stag Mountain	(Nev)	32	41N	58E	7800
16F6a	Succor Creek	(Ida)	25	3S	5W	6100
15H9MP	Taylor Canyon	(Nev)	35	39N	53E	6200
16H7a	Toe Jam	(Nev)	29	40N	50E	7700
15H8	Tremewan Ranch	(Nev)	9	39N	55E	5700
16G4MA	Triangle	(Ida)	25	7S	3W	5150
18G5a	Trout Creek		10	41S	38E	7800
18G7a	"V" Lake		31	35½S	32½E	6600
16G12a	Vaught Ranch	(Ida)	10	11S	1W	5950
16G13a	War Eagle	(Ida)	20	5S	3W	7700

Malheur River

Number	Name	Sec	Twp	Rge	Elev
18E16MP	Blue Mountain Springs	21	15S	35E	5900
18F6a	Buck Pasture	28	29S	35E	5300
18E21a	Bully Creek	11	17S	37E	5300
18F7a	Call Meadows	29	20S	33E	5340
17F2a	Cottonwood-Indian	3	19S	39E	4320
18E19M	Crane Prairie	24	16S	34E	5375
18E20	Eldorado Pass	20	14S	38E	4600
18E26a	Flag Prairie	32	16S	36E	4750
18E18	Lake Creek	10	16S	33½E	5200
18E22a	Logan Valley	13	16S	33½E	5100
18F1	Rock Spring	23	18S	32E	5100
18E32p*	S. Fk. Willow Cr.	2	16S	37E	5500
18F4P	Stinking Water	34	21S	34E	4800

BURNT, POWDER, PINE, GRANDE RONDE, IMNAHA WATERSHEDS (2)

Burnt River

Number	Name	Sec	Twp	Rge	Elev
18E13M	Blue Mountain Summit	6	12S	36E	5098
17E1MP	Dooley Mountain	32	11S	40E	5430
18E20	Eldorado Pass	20	14S	38E	4600
18E8	Gold Center	21	9S	36E	5340
18E9p	Tipton	34	10S	35E	5100

Powder River

Number	Name	Sec	Twp	Rge	Elev
18E1P	Anthony Lake	18	7S	37E	7125
18E5	Bourne	33	8S	37E	5800
17E1MP	Dooley Mountain	32	11S	40E	5430
18E3	Eilertson Meadows	18	8S	38E	5400
18E8	Gold Center	21	9S	36E	5340
18E6A	Goodrich Lake	4	9S	38E	6775
18E29	Intake House	5	8S	38E	4930
17012m	Ladd Summit	5	5S	39E	3730
18E23	Little Alps	10	7S	37E	6200
18E30	Little Antone	1	7S	37E	5000
18E28	Power Plant	33	7S	38E	3990
1707P	Taylor Green	3	6S	42E	5740

Pine Creek

Number	Name	Sec	Twp	Rge	Elev
17D8	Schneider Meadows	35	6S	45E	5400

Grande Ronde River

Number	Name	Sec	Twp	Rge	Elev
17D1	Aneroid Lake No. 1	16	4S	45E	7480
17D2P	Aneroid Lake No. 2	16	4S	45E	7300
18E1P	Anthony Lake	18	7S	37E	7125
17D10a	Bald Mountain	14 & 15	4S	41E	6700
18D9	Beaver Reservoir	8	5S	37E	5150
18D8P	County Line	28	4S	34E	4800
18D6P	Lucky Strike	28	3S	32E	5050
18D5	Meacham	24	1S	35E	4300
17D13a	Mirror Lake	34	4S	44E	8200
17D6M	Moss Spring	28	3S	41E	5850
18D7	Schoolmarm	28	4S	34E	4775
17D11a	Standley	21	2S	42E	7400
1707P	Taylor Green	3	6S	42E	5740
18D3	Tollgate	32	4N	38E	5070
17D16a	TV Ridge No. 2	12	2S	43E	7000

Imnaha River

Number	Name	Sec	Twp	Rge	Elev
17D1	Aneroid Lake No. 1	16	4S	45E	7480
17D2P	Aneroid Lake No. 2	16	4S	45E	7300
17D14a	Big Sheep	33	4S	46E	6200

UMATILLA, WALLA WALLA, WILLOW, ROCK, LOWER JOHN DAY WATERSHEDS (3)

Umatilla River

Number	Name	Sec	Twp	Rge	Elev
1902P	Arbuckle Mountain	33	4S	29E	5400
18D12MP	Battle Mountain Summit	29	3S	31E	4340
18D20	Bowman Springs	29	2S	35E	4580
20E4	Butte Creek Summit	5	8S	22E	3930
18D4M	Emigrant Springs	29	1N	35E	3925
18D19	High Ridge	31	3N	38E	4150
18D6P	Lucky Strike	28	3S	32E	5050
18D5	Meacham	24	1S	35E	4300
18D3	Tollgate	32	4N	38E	5070

Walla Walla River

Number	Name	Sec	Twp	Rge	Elev
18D16	Blue Mountain Camp	35	4N	37E	4300
18D3	Tollgate	32	4N	38E	5070

Willow Creek

Number	Name	Sec	Twp	Rge	Elev
1902P	Arbuckle Mountain	33	4S	29E	5400
18E1P	Anthony Lake	18	7S	37E	7125

LEGEND

1902	SNOW COURSE ONLY
1902M	SNOW COURSE AND SOIL MOISTURE
1902MA	SNOW COURSE, SOIL MOISTURE AND AERIAL MARKER
1902A	SNOW COURSE AND AERIAL MARKER
1902m	SOIL MOISTURE ONLY
1902a	AERIAL MARKER ONLY
1902P	SNOW COURSE AND PRECIPITATION GAGE
1902p	PRECIPITATION GAGE ONLY
1902*	RADIO TELEMETRY

UPPER JOHN DAY WATERSHEDS (4)

Upper John Day River

Number	Name	Sec	Twp	Rge	Elev
1902P	Arbuckle Mountain	33	4S	29E	5400
18D12MP	Battle Mountain Summit	29	3S	31E	4340
18E16MP	Blue Mountain Springs	21	15S	35E	5900
18E13M	Blue Mountain Summit	6	12S	36E	5098
20E4	Butte Creek Summit	5	8S	22E	3930
19E3MP	Derr	14	13S	23E	5670
18E8	Gold Center	21	9S	36E	5340
18E24a	Indian Cr. Butte	5	15S	33E	6550
19E9P	Izee Summit	28	16S	29E	5293
18D6P	Lucky Strike	28	3S	32E	5050
20E1MP	Marks Creek	25	12S	19E	4540
20E2	Ochoco Meadows	21	13S	20E	5200
18E7a	Olive Lake	14	9S	34E	6000
18D7	Schoolmarm	28	4S	34E	4775
19F1*	Snow Mountain	1	19S	26E	6220
19E7M	Starr Ridge	20	15S	31E	5150
18E9P	Tipton	34	10S	35½E	5100

UPPER DESCHUTES, CROOKED WATERSHEDS (5)

Upper Deschutes River

Number	Name	Sec	Twp	Rge	Elev
21E22	Bald Peter	29	10S	9E	5400
21F8	Caldwell Ranch	30	21S	8E	4400
22F3	Cascade Summit	7	23S	6E	4880
21F11	Chemult	21	27S	8E	4760
21E6	Hogg Pass	24	13S	7½E	4755
21F4	Hungry Flat	29	18S	11E	4400
21F6*	Irish-Taylor	25	20S	6E	5500
21E25a	Lionshead	1	10S	8E	5400
21F10	New Crescent Lake	11	24S	6E	4800
21E16	New Dutchman Flat #2	21	18S	9E	6400
21E23	Racing Creek	15	10S	9E	4800
22F14*	Summit Lake	33	24S	5½E	5600
21F3	Tangent	28	18S	10E	5400
21E15	Three Creeks Butte	27	16S	9E	5200
21E13*	Three Creeks Meadows	34	16S	9E	5650
22F2P	Waldo Lake	15	21S	6E	5600
21E24a	Whitewater Meadow	17	10S	9E	4160

Crooked River

Number	Name	Sec	Twp	Rge	Elev
19E3MP	Derr	14	13S	23E	5670
20E1MP	Marks Creek	25	12S	19E	4540
20E2	Ochoco Meadows	21	13S	20E	5200
19F1*	Snow Mountain	1	19S	26E	6220
19E4	Tamarack	8	15S	25E	4800

HOOD, MILE CREEKS, LOWER DESCHUTES WATERSHEDS (6)

Hood River

Number	Name	Sec	Twp	Rge	Elev
21D6P	Brooks Meadows	2	2S	10E	4300
21D25	Cooper Spur	6	2S	10E	3490
21D1	Greenpoint Reservoir	27	2N	9E	3200
21D20	Knebal Springs	31	1S	11E	3850
21D8*	Phlox Point	7	3S	9E	5400
21D4	Red Hill	20	1S	9E	4400
21D9	Still Creek	25	3S	8½E	3670
21D28	Switchback	28	1S	9E	3255
21D7P	Tilly Jane	15	2S	9E	6000
21D21	Ulrich Ranch Junction	28	1S	11E	3350
21D30	Umbrella Falls	3	3S	9E	5400

Mile Creeks - Mosier Creek

Number	Name	Sec	Twp	Rge	Elev
21D6P	Brooks Meadows	2	2S	10E	4300
21D20	Knebal Springs	31	1S	11E	3850
21D21	Ulrich Ranch Junction	28	1S	11E	3350

Lower Deschutes River

Number	Name	Sec	Twp	Rge	Elev
21D12	Clear Lake	29	4S	9E	3500
21D22	Clear Lake Experimental	29	4S	9E	3500
21E6	Hogg Pass	24	13S	7½E	4755

LOWER COLUMBIA WATERSHEDS (7)

Bull Run River

Number	Name	Sec	Twp	Rge	Elev
21D33*	Blazed Alder	5	2S	8E	3650

Sandy River

Number	Name	Sec	Twp	Rge	Elev
21D35	Mud Ridge	1	4S	8½E	3800
21D34	North Fork Reservoir	24	1N	6E	3120
21D8*	Phlox Point	7	3S	9E	5400
21D9	Still Creek	25	3S	8½E	3670

WILLAMETTE WATERSHEDS (8)

Clackamas River

Number	Name	Sec	Twp	Rge	Elev
21D13	Clackamas Lake	35	5S	8½E	3400
21D12	Clear Lake	29	4S	9E	3500
21D16	Lake Harriet	4	6S	7E	2045
21D14P*	Peavine Ridge	14 & 15	6S	7E	3500
21D8*	Phlox Point	7	3S	9E	5400
21D9	Still Creek	25.	3S	8½E	3670
21D17	Timothy Lake	26	5S	8E	3295

Santiam River

Number	Name	Sec	Twp	Rge	Elev
22E1	Detroit (City)	1	10S	5E	1610
22E2	Detroit Dam	7	10S	5E	1580
21E6	Hogg Pass	24	13S	7½E	4755
21E4	Marion Forks	29	11S	7E	2600
22E3	Mill City	29	9S	3E	826
21E5	Santiam Junction	14	13S	7E	3750
21E3	Whitewater Bridge	20	10S	7E	2175

McKenzie River

Number	Name	Sec	Twp	Rge	Elev
21E8	Dead Horse Grade	13	16S	7E	3700
22E4	Lost Creek Ranch	19	16S	7E	1956
21E7	McKenzie	34	15S	7½E	4800
22E5	McKenzie Bridge	13	16S	5E	1372
22E6	Vida	28	16S	2E	800
21E9	White Branch Slide	15	16S	7E	2700

Middle Fork Willamette River

Number	Name	Sec	Twp	Rge	Elev
22F3	Cascade Summit	7	23S	6E	4880
22F8	Lookout Point Dam	13	19S	1W	750
22F6	McCredie Springs	36	21S	4E	2120
22F7	Oakridge	16	21S	3E	1310
22F5	Railroad Overpass	21	22S	5E	2750
22F4	Salt Creek Falls	32	22S	5½E	4000
22F14*	Summit Lake	33	24S	5½E	5600
22F2P	Waldo Lake	15	24S	6E	5600

Coast Fork Willamette River

Number	Name	Sec	Twp	Rge	Elev
22F9	Champion	12	23S	1E	4500
22F10	Golden Curry Creek	1	23S	1E	3136
22F13	Layng Creek R.S.	31	21S	1E	1200
22F12	Lund Park	22	22S	1E	1740
22F11	Weaver Creek	35	22S	1E	2440

Mary's River

Number	Name	Sec	Twp	Rge	Elev
23E1	Mary's Peak	21	12S	7W	3620

Luckiamute River

Number	Name	Sec	Twp	Rge	Elev
23E2	Laurel Mountain	6	8S	7W	3000
23E3	Valsetz Summit	3	9S	7W	2600

Tualatin River

Number	Name	Sec	Twp	Rge	Elev
23D2*	Seine Creek	34	1N	5W	2000
23D1*	Saddle Mountain	25	1N	6W	3250

ROGUE, UMPQUA WATERSHEDS (9)

Rogue River

Number	Name	Sec	Twp	Rge	Elev
23G4P	Althouse	17	41S	7W	4530
22G6	Annie Spring	19	31S	6E	6018
22G28	Beaver Dam Creek	1	38S	4E	5100
22G21P	Big Red Mountain	31	40S	1W	6250
22G13P	Billie Creek Divide	30	36S	5E	5300
22G30	Caliban	16	40S	1E	6500
22G27	Deadwood Junction	8	38S	4E	4600
22F19	Diamond-Crater Summit	3	29S	6E	5800
22G14P	Fish Lake	3	37S	4E	4665
22G12	Fourmile Lake	9	36S	5E	6000
23G3	Grayback Peak	9	40S	5W	6000
22G26	Howard Prairie	32	38S	4E	4500
22G16	Hyatt Prairie Reservoir	15	39S	3E	4900
22G22	Little Red Mountain	25	40S	2W	6500
22G31	Mt. Ashland Switchback	15	40S	1E	6400
23G14	Mule Creek	8	32S	9W	3680
23G5	Page Mountain	5	41S	7W	4045
22G5	Park Headquarters	8	31S	6E	6550
22G11	Seven Lakes No. 2	26	33S	5E	6200
22G2	Silver Burn	30	30S	4E	3720
22G20	Siskiyou Summit	17	40S	2E	4630
22G32	Ski Bowl Road	22	40S	1E	6000
22G9	South Fork Canal	12	33S	3E	3500
22G1	Whaleback	4	31S	2E	5025

Umpqua River

Number	Name	Sec	Twp	Rge	Elev
22F9	Champion	12	23S	1E	4500
22F18P	Diamond Lake	29	27S	6E	5315
23G8	King Mountain No. 1	5	33S	4W	4500
23G9	King Mountain No. 2	4	33S	4W	4000
23G10	King Mountain No. 3	33	32S	4W	3648
23G11	King Mountain No. 4	33	32S	4W	3049
23G12	King Mountain No. 5	29 & 28	32S	4W	2380
23G13	King Mountain No. 6	20	32S	4W	1820
22F16	North Umpqua	19	26S	6E	4215
22F23	Red Butte No. 1	36	27S	2W	4560
22F24	Red Butte No. 2	30	27S	1W	4000
22F25	Red Butte No. 3	30	27S	1W	3500
22F26	Red Butte No. 4	30	27S	1W	3000
22F27	Red Butte No. 5	20	27S	1W	2500
22F28	Red Butte No. 6	17	27S	1W	2000
22F17	Trap Creek	1	27S	4E	3800
22G1	Whaleback	4	31S	2E	5025

KLAMATH WATERSHEDS (10)

Klamath River

Number	Name		Sec	Twp	Rge	Elev
22G6	Annie Spring		19	31S	6E	6018
22G13P	Billie Creek Divide		30	36S	5E	5300
21F11	Chemult		21	27S	8E	4760
22G24*	Cold Springs Camp		12	35S	5E	6100
20G12a	Crazyman Flat		9	34S	15E	6100
20H2a	Crowder Flat	(Cal)	30	47N	11E	5200
22F19	Diamond-Crater Summit		3	29S	6E	5800
21F18	Diamond Lake Jct.	(97)	1	29S	7E	4600
21G6a	Dog Hollow		1	40S	14E	4900
20G14a	Finley Corrals		11	36S	16E	6000
22G12	Fourmile Lake		9	36S	5E	6000
21G4P	Gerber		12	39S	13E	4850
22G26	Howard Prairie		32	38S	4E	4500
22G16	Hyatt Prairie Reservoir		15	39S	3E	4900
22G15	Lake of the Woods		11	37S	5E	4960
22G5	Park Headquarters		8	31S	6E	6550
20G6MP	Quartz Mountain		2	38S	16E	5320
22G11	Seven Lakes No. 2		26	33S	5E	6200
22G33	Seven Mile		20	33S	6E	5725
20H1a	State Line	(Cal)	21	48N	11E	5750
20G9AP	Strawberry		4	40S	16E	5760
20G2AP	Summer Rim		23	33S	16E	7100
20G13a	Sycan Flat		25	31S	14E	5500
21G3P	Taylor Butte		21	33S	11E	5100

Pacific Power and Light Company's Snow Stations

Number	Name	Sec	Twp	Rge	Elev
3	Chiloquin (PP&L)	34	34S	7E	4187
4	Crystal (PP&L)	26	34S	6E	4200
5	Fort Klamath (PP&L)	22	33S	7½E	4150
8	Harriman Lodge (PP&L)	3	36S	6E	4200
6	Kirk (PP&L)	1	33S	7E	4533

LAKE COUNTY, GOOSE LAKE WATERSHEDS (11)

Goose Lake

Number	Name		Sec	Twp	Rge	Elev
20G15a	Bear Flat Meadow		27	36S	19E	5900
20G8MP	Camas Creek		5	39S	21E	5720
20G11A	Cox Flat		16	37S	18E	5750
20H2a	Crowder Flat	(Cal)	30	47N	11E	5200
20H3a	Dismal Swamp	(Cal)	31	48N	16E	7200
20G17a	Patton Meadow		28	38S	18E	6800
20G6MP	Quartz Mountain		2	38S	16E	5320
20H1a	State Line	(Cal)	21	48N	11E	5750
20G9AP	Strawberry		4	40S	16E	5760
20G16a	Willow Creek		13	40S	21E	6020

Abert Lake

Number	Name	Sec	Twp	Rge	Elev
20G15a	Bear Flat Meadow	27	36S	19E	5900
20G18ap	Colvin Creek	12	36S	21E	6550
20G11A	Cox Flat	16	37S	18E	5750
20G14a	Finley Corrals	11	36S	16E	6000
20G6MP	Quartz Mountain	2	38S	16E	5320
20G10a	Sherman Valley	15	37S	21E	6600

Summer Lake

Number	Name	Sec	Twp	Rge	Elev
20G2AP	Summer Rim	23	33S	16E	7100

Silver Lake

Number	Name	Sec	Twp	Rge	Elev
21F2P	Silver Creek	25 & 26	29S	13E	4900
20G13a	Sycan Flat	25	31S	14E	5500

Warner Lake

Number	Name		Sec	Twp	Rge	Elev
20G8MP	Camas Creek		5	39S	21E	5720
20H3a	Dismal Swamp	(Cal)	31	48N	16E	7200
19G1a	Hart Mountain		1	36S	25E	6350
20G10a	Sherman Valley		15	37S	21E	6600
20G16a	Willow Creek		13	40S	21E	6020

Guano Lake

Number	Name		Sec	Twp	Rge	Elev
19H1	Bald Mountain	(Nev)	17	45N	21E	6720
19G1a	Hart Mountain		1	36S	25E	6350
19H4a	Little Bally Mt.	(Nev)	8	45N	19E	6600

HARNEY BASIN WATERSHED (12)

Silvies River - Silver Creek

Number	Name	Sec	Twp	Rge	Elev
18F7a	Call Meadows	29	20S	33E	5340
19F2	Delintment Lake	28	19S	26E	5600
19F3	Emigrant Butte	14	21S	27E	5000
18F3P	Idlewild Camp	27	20S	31E	5200
19E9P	Izee Summit	28	16S	29E	5293
18F1	Rock Spring	23	18S	32E	5100
19F1*†	Snow Mountain	1	19S	26E	6220
19E7M	Starr Ridge	20	15S	31E	5150
18F4P	Stinking Water	34	21S	34E	4800

Donner Und Blitzen River

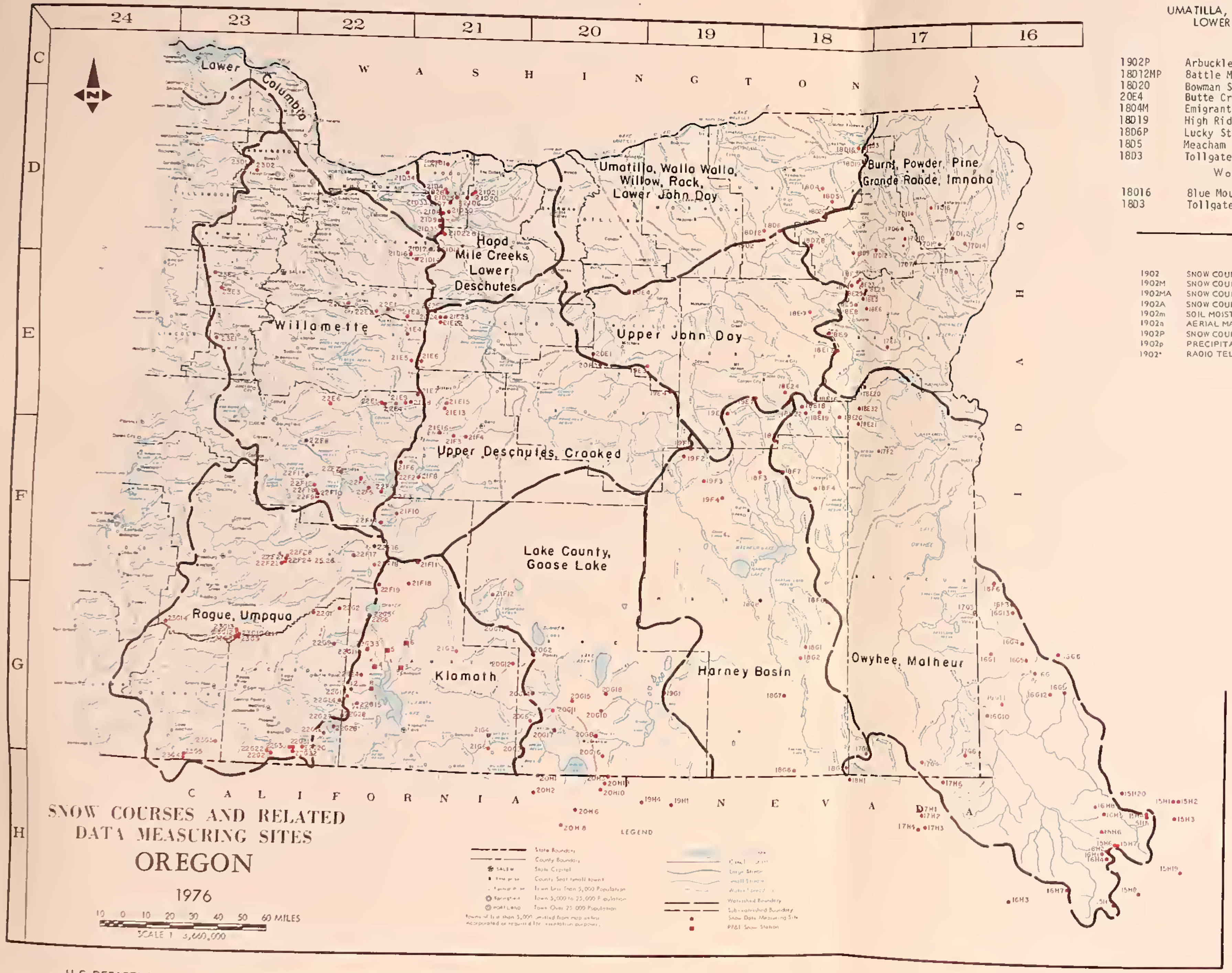
Number	Name	Sec	Twp	Rge	Elev
18F6a	Buck Pasture	28	29S	35E	5300
18G2PA	Fish Creek	4	33S	33E	7900
19G1a	Hart Mountain	1	36S	25E	6350
18G1PA	Silvies	35	32S	33E	6900
18G7a	"V" Lake	31	35 S	32½E	6600

Trout and Whitehorse Creeks

Number	Name		Sec	Twp	Rge	Elev
18G6a	Denio Creek		14	41S	34E	6000
18H1	Disaster Peak	(Nev)	8	47N	34E	6500
17G5a	Oregon Canyon		8	40S	40E	6950
18G5a	Trout Creek		10	41S	38E	7800

Harney Lake

Number	Name	Sec	Twp	Rge	Elev
18G8a	Buckskin Lake	25	29S	30E	5200



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Map and Index to OREGON SNOW COURSES

The Following Organizations Cooperate in the Oregon Snow Survey Work

STATE
- Idaho Cooperative Snow Surveys
- Nevada Cooperative Snow Surveys
- Oregon State University
- Oregon Department Of Water Resources
- Soil and Water Conservation Districts of Oregon

COUNTY
- Douglas County Water Resources Survey

FEDERAL
- Department of Agriculture
  - Cooperative Extension Service
  - Forest Service
  - Soil Conservation Service
- Department of Commerce
  - NOAA, National Weather Service
- Department of the Interior
  - Bonneville Power Administration
  - Bureau of Land Management
  - Bureau of Revlamation
  - Fish and Wildlife Service
  - Geological Survey
- Department of National Defense
  - Corps of Army Engineers

PUBLIC UTILITIES
- Pacific Power and Light Company
- Portland General Electric Company
- California-Pacific Utilities Company

MUNICIPALITIES
- City of Baker
- City of La Grande
- City of The Dalles
- City of Walla Walla

IRRIGATION DISTRICTS
- Arnold Irrigation District
- Associated Ditch Companies
- Burnt River Irrigation District
- Central Oregon Irrigation District
- East Fork Irrigation District
- Grants Pass Irrigation District
- Hood River Irrigation District
- Jordan Valley Irrigation District
- Juniper Flat Irrigation District
- Lakeview Water Users, Incorporated
- Medford Irrigation District
- Middle Fork Irrigation District
- North Board of Control - Owyhee Project
- North Unit Irrigation District
- Ochoco Irrigation District
- Rogue River Valley Irrigation District
- South Board of Control - Owyhee Project
- Squaw Creek Irrigation District
- Talent Irrigation District
- Tumalo Project
- Vale - Oregon Irrigation District
- Warmsprings Irrigation District

PRIVATE ORGANIZATIONS
- The Crag Rats, Hood River, Oregon

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"The Conservation of Water begins with the Snow Survey"

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